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Examiner Initials*	Cite No. ¹	Foreign Patent Document Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
KAL	4	WO 00/17225 A3	03-30-2000	The Trustees of Columbia University in the City of New York	}
KAL	5	EP 0726 277 A2	08-14-1996	Toshiaki et al.	

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Applicants: Rodney Rothstein et al.
U.S. Serial No.: 09/814,661
Filed: March 22, 2001
Exhibit A

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Application Number	09/814,661
	Filing Date	March 22, 2001
	First Named Inventor	Rodney Rothstein
	Art Unit	1642
	Examiner Name	K. Canella
Attorney Docket No.		0575/56615-A-PCT-US/JPW/AJM/MVM

NON PATENT LITERATURE DOCUMENTS

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KAC	3	U.S. Application No. 09/159,858, filed September 24, 1998, on behalf of Rodney Rothstein et al.;	
	6	International Search Report issued on May 3, 2000 in connection with PCT International Application No. PCT/US99/22260, filed September 24, 1999, International Publication No. WO 00/17225 A3, published March 30, 2000, on behalf of The Trustees of Columbia University In The City Of New York;	
	7	Written Opinion issued on September 12, 2000 in connection with PCT International Application No. PCT/US99/22260, filed September 24, 1999, International Publication No. WO 00/17225 A3, published March 30, 2000, on behalf of The Trustees of Columbia University In The City Of New York;	
	8	International Preliminary Examination Report issued on January 11, 2001 in connection with PCT International Application No. PCT/US99/22260, filed September 24, 1999, International Publication No. WO 00/17225 A3, published March 30, 2000, on behalf of The Trustees of Columbia University In The City Of New York;	
	9	ARAP, W. et al. (1998) "Cancer Treatment by Targeted Drug Delivery to Tumor Vasculature in a Mouse Model," <i>Science</i> 279: 377-380;	
	10	ALLEN, J.B. et al. (1994) "The SAD1/RAD53 protein kinase controls multiple checkpoints and DNA damage-induced transcription in yeast," <i>Genes Dev.</i> 8: 2401-2415;	
	11	BARLOW, C. et al. (1996) "Atm-Deficient Mice: A Paradigm Of Ataxia Telangiectasia," <i>Cell</i> 86: 159-171;	
	12	DESANY, B.A. et al. (1998) "Recovery from DNA replicational stress is the essential function of the S-phase checkpoint pathway," <i>Genes Dev.</i> 12: 2956-70;	
	13	ELLEDGE, S.J. (1996) "Cell cycle checkpoints: preventing an identity crisis," <i>Science</i> 274: 1664-1672;	
	14	ELSON, A. et al. (1996) "Pleiotropic defects in ataxia-telangiectasia protein-deficient mice," <i>Proc. Natl. Acad. Sci. USA</i> 93: 13084-13089;	
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KAC	16	JAMES, P. et al. (1996) "Genomic libraries and a host strain designed for highly efficient two-hybrid selection in yeast," <i>Genetics</i> 144: 1425-1436;	
	17	KATO, R. et al. (1994) "An essential gene, <i>ESR1</i> , is required for mitotic cell growth, DNA repair and meiotic recombination in <i>Saccharomyces cerevisiae</i> ," <i>Nucleic Acids Res.</i> 22: 3104-3112;	
	18	KOCH, C. et al. (1993) "A role for the transcription factors Mbp1 and Swi4 in progression from G1 to S phase," <i>Science</i> 261: 1551-1557;	
	19	LECRENIER, N. et al. (1995) "Overexpression of the <i>RNR1</i> gene rescues <i>Saccharomyces cerevisiae</i> mutants in the mitochondrial DNA polymerase-encoding <i>MIP1</i> gene," <i>Mol. Gen. Genet.</i> 249: 1-7;	
	20	LIUZZI, M. et al. (1994) "A potent peptidomimetic inhibitor of HSV ribonucleotide reductase with antiviral activity in vivo," <i>Nature</i> 372: 695-698;	
	21	REICHARD, P. (1988) "Interactions between deoxyribonucleotide and DNA synthesis," <i>Ann. Rev. Biochem.</i> 57: 349-374;	
	22	SANCHEZ, Y. et al. (1996) "Regulation of <i>RAD53</i> by the ATM-like kinases <i>MEC1</i> and <i>TEL1</i> in yeast cell cycle checkpoint pathways," <i>Science</i> 271: 357-360;	
	23	SHEWACH, D.S. et al. (1996) "Gemcitabine and radiosensitization in human tumor cells," <i>Invest. New Drugs</i> 14: 257-263;	
	24	SHILOH, Y. (1997) "Ataxia-telangiectasia and the Nijmegen breakage syndrome: related disorders but genes apart," <i>Annu. Rev. Genet.</i> 31: 635-662;	
	25	SUN, Z. et al. (1996) "Spk1/Rad53 is regulated by Mec1-dependent protein phosphorylation in DNA replication and damage checkpoint pathways," <i>Genes Dev.</i> 10: 395-406;	
	26	SZEKERES, T. et al. (1994) "Biochemical and antitumor activity of trimidox, a new inhibitor of ribonucleotide reductase," <i>Cancer Chemther. Pharmacol.</i> 34: 63-66;	

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LAC	27	VALLEN, E.A. et al. (1999) "Interaction between the MEC1-dependent DNA synthesis checkpoint and G1 cyclin function in <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> 151: 459-71;	
	28	WANG, Y.A. et al. (1997) "Loss of p21 increases sensitivity to ionizing radiation and delays the onset of lymphoma in atm-deficient mice," <i>Proc. Natl. Acad. Sci. USA</i> 94: 14590-14595;	
	29	WESTPHAL, C.H. et al. (1997) "Genetic interactions between atm and p53 influence cellular proliferation and irradiation-induced cell cycle checkpoints," <i>Cancer Res.</i> 57: 1664-1667;	
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	32	ZAKIAN, V.A. (1995) "ATM-related genes: what do they tell us about functions of the human gene?," <i>Cell</i> 82: 685-687;	
	33	ZHENG, P. et al. (1993) "SPK1 is an essential S-phase-specific gene of <i>Saccharomyces cerevisiae</i> that encodes a nuclear serine/threonine/tyrosine kinase," <i>Mol. Cell. Biol.</i> 13: 5829-5842;	
	34	BARRELL et al. (1997) (Genbank Accession No. Z46729, National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland);	
	35	LEWIN (1988) "When Does Homology Mean Something Else?" <i>Science</i> 237: 1570;	
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	37	REECK et al. (1987) "Homology In Proteins and Nucleic Acids: A Terminology Muddle and a Way Out of It," <i>Cell</i> 50: 667;	
	38	SAMBROOK et al. (1987) <i>Molecular Cloning, a Laboratory Manual</i> (Cold Spring Harbor Press): 16.3-16.4;	
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KAC	40	AHN et al. (1993) "The Structural and Functional Diversity of Dystrophin," <i>Nature Genetics</i> 3: 283-291;	
	41	CAWTHON et al. (1991) "cDNA Sequence and Genomic Structure of EVI2B, a Gene Lying Within An Intro of the Neurofibromatosis Type 1 Gene," <i>Genomics</i> 9: 446-460;	
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	44	REIGER et al. (1976) <i>Glossary of Genetics and Cytogenetics, Classical and Molecular, 4th Edition</i> (Springer-Verlag, Berlin) pp. 17-18;	
	45	SAITOH et al. (1991) <i>Biomed. Res.</i> 12: 215-218;	
	46	BRADFORD, M.M. (1976) "A Rapid and Sensitive Method For The Quantitation of Microgram Quantities of Protein Utilizing the Principle of Protein-Dye Binding," <i>Anal. Biochem.</i> 72: 248-254;	
	47	CHANCE, B. and Herbert, D. (1950) "The Enzyme-substrate Compoinds of Bacterial Catalase and Peroxides," <i>J. Biochem.</i> 46: 402-414	
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	49	ELLEDGE, S.J. and Davis, R.W. (1987) "Identification And Isolation of the Gene Encoding the Small Subunit of Ribonucleotide Reductase from <i>Saccharomyces cerevisiae</i> : DNA Damage-Inducible Gene Required for Mitotic Viability," <i>Mol. Cell. Biol.</i> 7: 2783-2793	
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KAC	53	HURD, H.K. et al. (1987) "Identification of the Gene for the Yeast Ribonucleotide Reductase Small Subunit and Its Inducibility by Methyl Methanesulfonate," <i>Mol. Cell. Biol.</i> 7: 3673-3677;	
	54	INGEMARSON, R. and Thelander, L. (1996) "A Kinetic Study on the Influence of Nucleoside Triphosphate Effectors on Subunit Interaction in Mouse Ribonucleotide Reductase," <i>Biochemistry</i> 35: 8603-8609;	
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	57	MANN, G.J. et al. (1991) "Purification and Characterization of Recombinant Mouse and Herpes Simplex Virus Ribonucleotide Reductase R2 Subunit," <i>Biochemistry</i> 30: 1939-1947;	
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	60	ROVA, U. et al. (1995) "Evidence by Site-Directed Mutagenesis Supports Long-Range Electron Transfer in Mouse Ribonucleotide Reductase," <i>Biochemistry</i> 34: 4267-4275;	
	61	STUDIER, F.W. et al. (1990) "Use of T7 RNA Polymerase to Direct Expression of Cloned Genes," <i>Methods Enzymol.</i> 185: 60-89;	
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